

## Structure of a Seed

### A. Choose the correct answer:

1. What protects the seed and keeps it safe?

- A) Stem
- B) Seed coat
- C) Leaf
- D) Root

2. What part of the seed grows into a new plant?

- A) Seed coat
- B) Food store
- C) Baby plant (embryo)
- D) Flower

3. Which part of the seed provides food for the growing plant?

- A) Seed coat
- B) Root
- C) Leaf
- D) Cotyledon

### B. Fill in the Blanks:

1. The outer covering of a seed is called the \_\_\_\_\_.
2. The \_\_\_\_\_ inside the seed grows into a new plant.
3. Seeds need \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ to grow into plants.

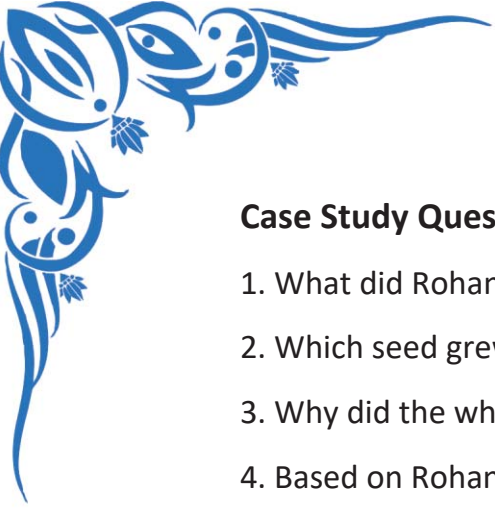
### C. Case Study:

A young boy, Rohan, planted three types of seeds: bean, sunflower, and wheat. He watered the seeds daily and kept them in sunlight.

**After a week:**

- The bean seed sprouted and grew tall.
- The sunflower seed developed strong leaves.
- The wheat seed grew small roots but did not sprout properly.

Rohan observed that the wheat seeds were kept in a shady corner by mistake, while the other seeds received plenty of sunlight.

**Case Study Questions:**

1. What did Rohan plant in his experiment?
2. Which seed grew tall and healthy?
3. Why did the wheat seed not sprout properly?
4. Based on Rohan's observation, why is sunlight important for seed growth?

**D. Short Answer Questions:**

1. What is the function of the seed coat?
2. Why do seeds need water to grow?
3. What is the role of cotyledons in a seed?

**E. Long Answer Questions:**

1. Describe the different parts of a seed and their functions.
2. Explain the process of how a seed grows into a plant (germination).
3. Why is it important to give seeds proper sunlight, water, and soil to grow?